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# Crystal Clock Oscillator Specification

*IQD Part No. + Packaging: LFSPXO019275Reel*
*Wurth Part No.* ***831019275***

## Description

- Standard 7 x 5mm crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPS-72
- Model Issue number 13

## Frequency Parameters

- Frequency 16.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm per year max

## Electrical Parameters

- Supply Voltage 5.0V ±10%
- Current Draw 20.000mA
- Note: parameters are referenced to 15pF load

## Output Details

- Output Compatibility HCMOS/TTL
- Drive Capability 15pF std, 50pF max
- Rise and Fall Time 10.0ns max
- Duty Cycle 45/55%

## Output Control

- Standby Operation:
  Logic '1' (>70% Vs) to pad 1 enables oscillator output.
  Logic '0' (<30% Vs) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state.
  No connection to pad 1 enables oscillator output.
  Standby Current: 10µA max

## Noise Parameters

- RMS Phase Jitter: 350fs typical

## Environmental Parameters

- Shock: MIL-STD-202, Method 213, Condition E.
- Vibration: MIL-STD-883, Method 2007, Condition A.
- Storage Temperature Range: -55 to 125°

## Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC 10s

## Compliance

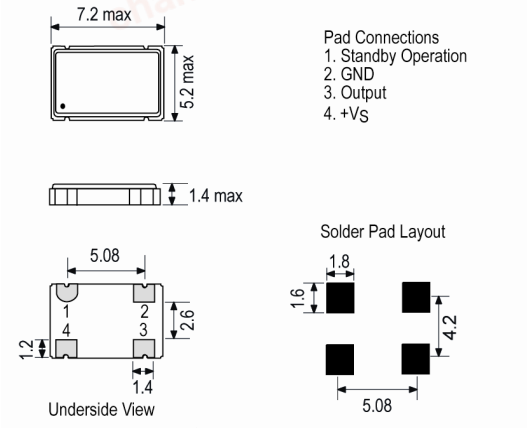
- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

## Packaging Details

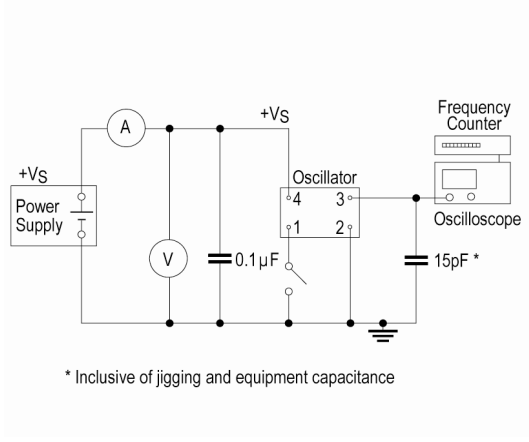
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
  Pack Size: 1,000




**Outline (mm)**




**Test Circuit**




* Inclusive of jigging and equipment capacitance

**CONTACT INFORMATION:**
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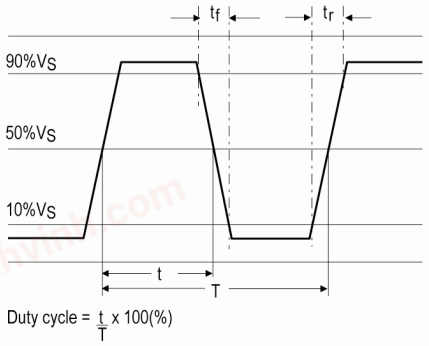
- *Alternative packing option available*

**USEFUL LINKS**

**Toolbox:**
www.we-online.com/toolbox

**Product Catalog:**
www.we-online.com/products

**Wave Form**




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